### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

R.L. Mahany et al.

Serial No.: 10/651,188

Filed: August 28, 2003

For:

TRANSACTION CONTROL SYSTEM INCLUDING PORTABLE DATA

TERMINAL AND MOBILE

CUSTOMER SERVICE STATION

Examiner: Dang T. Ton

Group Art Unit: 2666

Confirmation No.: 8344

**ELECTRONICALLY FILED** On May 15, 2007

## INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Attached with this electronic submission are the following:

- A completed PTO/SB/08A which has six (6) pages.
- A copy of each printed reference listed in the PTO/SB/08A form is attached. Applicants, however, have not submitted U.S. Patents or other references previously provided to or by the PTO in this application. One hundred and thirteen (113) references are attached.

#### FEE DETERMINATION AND PAYMENT

A fee of \$180.00 is due because:

• The first Office action on the merits has been received by applicant(s).

Applicant(s) believe(s) that this statement and attachments are being filed before
any final action has been mailed by the PTO; before a notice of allowance has
issued; and prior to any other action that would close prosecution in the
application. The basis of this belief is that no final action, no notice of allowance,
and no other action that would close prosecution of the application appear to
have been received by the undersigned to date.

The Commissioner is hereby authorized to charge any fees which are presently required, or credit any overpayment, to Deposit Account No. 13-0017.

## REQUEST FOR CONSIDERATION

This paper and attachments are believed to be entitled to consideration under 37 C.F.R. § 1.97, based on the facts stated above.

The owner of record of the present application, Broadcom Corporation, is currently involved in several disputes with Qualcomm, Inc., including the following pending lawsuit and investigation:

- In the Matter of Certain Baseband Processor Chips and Chipsets, Transmitter and Receiver (Radio) Chips, Power Control Chips, and Products Containing Same, Including Cellular Telephone Handsets, U.S. International Trade Commission Case. No. 377-TA-543.
- Broadcom Corp. v. Qualcomm, Inc., Civil Action No. 05-468 in the Central District of California

The references being electronically submitted have been either cited, produced or relied upon by Qualcomm thus far during the above-mentioned lawsuit and/or investigation. This electronic submission is in no way intended as an admission that the submitted references constitute prior art under any subsection of 35 U.S.C. §102 or §103. Applicant expressly retains the right to argue that any of the cited references are not indeed prior art or to take any actions necessary to remove any of the cited references from the available prior art.

The Examiner is requested to initial the attached PTO/SB/08A and return a copy to the applicants to indicate consideration of the attached references.

Respectfully submitted,

Date: May 15, 2007

Philip Henry Sheridan

Reg. No. 59,918

McAndrews Held & Malloy, Ltd. 500 West Madison Street, 34<sup>th</sup> Floor Chicago, Illinois 60661 (T) 312 775 8000 (F) 312 775 8100

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Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of 6 Sheet 1

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Complete if Known				
Application Number	10/651,188			
Filing Date	08/28/2003			
First Named Inventor	Mahany et al.			
Group Art Unit	2666			
Examiner Name	Dang T. Ton			
Attorney Docket Number	14426US02			

	U.S. PATENT DOCUMENTS				
Examiner Initial*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A86	3,955,140	05-04-1976	Stephens	
	A87	4,989,230	01-29-1991	Gillig	
	A88	5,682,379	10-28-1997	Mahany et al.	
	A89	6,359,872	03-19-2002	Mahany et al.	
	A90	5,465,207	11-07-1995	Boatwright, et al.	
	A91	5,457,629	10-10-1995	Miller, et al.	
	A92	3,745,462	07-10-1973	Trimble	
	A93	5,351,270	09-27-1994	Graham, et al.	
	A94	2,731,622	01-17-1956	Doremus et al.	
	A95	2,932,729	04-12-1960	Yamato et al.	
	A96	2,987,615	06-06-1961	Dimmer et al.	
	A97	3,366,880	01-30-1968	Driver et al.	
	A98	3,387,212	06-04-1968	Kaufman	
	A99	4,481,382	11-06-1984	Villa-Real	
	A100	4,491,966	01-01-1985	Morcerf et al.	
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	A107	4,741,019	04-26-1988	Takahashi	
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	FOREIGN PATENT DOCUMENTS					
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	т6
Initials*	Initials* No. 1 Country Code3-Number 4-Kind Code	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	n) MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	•
	B22	WO 89-04569	05-18-1989	Massa et al.		
	B23	AU 696841	07-20-2006	Mahany et al.		
	B24	WO 94/27382	05-06-1994	Mahany et al.		
	B25	GB 2162404A	01-29-1986	Munday et al.		

EXAMINER	DATE CONSIDERED	
SIGNATURE		

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

If you need assistance in completing the form, call 1-800-PTO-9199 (1800-786-9199) and select option 2.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Complete if Known Substitute for form 1449A/PTO Application Number 10/651,188 08/28/2003 Filing Date INFORMATION DISCLOSURE First Named Inventor Mahany et al. STATEMENT BY APPLICANT Group Art Unit 2666 **Examiner Name** Dang T. Ton (use as many sheets as necessary)) Attorney Docket Number 14426US02 Of 6 Sheet

	T	OTHER ART NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the
Examiner	Cite	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue
Initials*	No. <sup>1</sup>	number(s), publisher, city and/or country where published
	C28	McNAMARA, "Technical Aspects of Data Communication", Digital Press, 3rd Edition, 1988
	C31	Bluetooth Patent/Copyright License Agreement, Bates Nos. QBB029532-29539
	C32	The Bluetooth SIG: General Information & Membership Benefits, Bates Nos. QBB029518-19531, 04/200
	C33	Bluetooth SIG, Inc. Membership Application
	C34	Acceptance of Associates Membership By Qualcomm, Includes Bluetooth SIG Application for
		Membership, Bates Nos. QBB029479-29482, 08/08/2001
	C35	MSM Overview & Data Sheets: Overview only - MSM7600, 7500, 7200 & 6125; Overview & Data Sheets
		- MSM6800, 6500, 6300, 6280, 6275, 6260, 6255, 6250, 6225, 6200, 6100, 6050, 6025 & 6000
	C37	Specifications of the Bluetooth System, PROFILES, Specification Vol. 2, Version 1.1, 02/22/200
	C40	Hands-Free Profile Adopted Version 1.0, 04-20-2003 QBB 729883-719955
	C41	Specification of the Bluetooth System, PROFILES, Specification Vol. 2, v1.0B, 12/01/1999
	C42	Broadcom's Complaint Under Section 337 Of The Tariff Act of 1930, As Amended, with index of Exhibits
	C48	Gollnick Deposition Transcript, 10/27/2005
	C49	Bunte Deposition Transcript, 10/28/2005
	C50	Luse Deposition Transcript, 11/17/2005
	C51	Steven Koenck Deposition Transcript, 11/15/2005
	C52	Expert Report Concerning U.S. Patent Nos. 5,682,379 and 6,359,872 by Professor Stuart C. Schwartz
	C53	MSM Overview & Data Sheet – MSM6150
	C58	Posthearing Brief Of The Commission Investigative Staff, United States International Trade Commission 04/03/2006
	C59	"Automation In Warehousing", Proceedings Of The 8th International Conference, Tokyo, Japan, 10/06-08/1987, pp. 1-355
	C60	"Supporting Research And Advanced Development", NASA Space Programs Summary 37-48, Vol. III, Jo
		Propulsion Laboratory, 12/31/1967, pp. 1-291
	C61	07/699,818 – file history
	C62	07/700,704 – file history
	C63	07/982,292 – file history
	C64	07/997,693 – file history
	C65	08/027,140 – file history
-	C66	08/500,977 – file history
	C67	08/959,432 – file history
	C68	07/553,438 – file history
	C69	07/716,707 – file history
	C70	10/101,436 – file history
	C71	10/458,597 – file history
	C72	07/876,776 – file history
	C73	07/854,115 – file history
	C74	07/558,895 – file history
	C75	07/529,353 – file history

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		OTHER ART NON PATENT LITERATURE DOCUMENTS
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	C76	Claim Construction Order for '872 Patent, and Court's Claim Construction, 05/01/06
	C77	Claim Construction Order for '379 Patent, and Court's Claim Construction, 05/01/06
	C78	INTENTIONALLY LEFT BLANK
	C79	NASA Technical Note, NASA TN D-6974, Apollo Experience Report – Lunar Module Communications System, September 1972
	C80	NASA, Apollo Program Summary Report, JSC-09423, TM-X-68725, April 1975
	C81	NASA, Apollo 17 Press Kit, Release No.: 72-220K, November 26, 1972
	C82	INTENTIONALLY LEFT BLANK
	C83	Panasonic, Cordlessphone KX-T3000 EASA-PHONE
· · · · · · · · ·	C84	MAJ. ONDO, "Field Artillery Journal: PLRS/JTIDS Hybrid," Jan-Feb 1981, pp. 20-26
	C85	PROFFITT, 36 <sup>th</sup> IEEE Vehicular Technology Conference, "The Portable Cell Site," May 20-22, 1986, pp. 291-300
	C86	RECHTER, IEEE Military Communications Conference, Conference Record Volume 1, "PLRS-JTIDS Hybrid (PJM) Satellite Overlay Concept," October 21-24, 1984, pp. 280-283
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	C88	DE PEDRO, PLANETA, and PERLOFF, IEEE Military Communications Conference, Conference Record Volume 1 of 3, "Multimedia Networking Techniques to Enhance Communications Survivability," October 20-23, 1985, pp. 308-312
	C89	RICE, E.J., IEEE Military Communications Conference, October 5-9, 1986, Section 24.3.1-24.3.6
	C90	CUMMINGS, and TURNER, Conference Record Volume 2 of 3, "A Mixed-Media Communications Architecture for Enhanced Interoperability," 1986
	C91	FERNANDEZ, IEEE Military Communications Conference, Conference Record Volume 1 of 3, "Architecture for Tactical C3 Systems Management," October 19-22, 1987, Section 1.5.1-1.5.7
	C92	RAFTER, WALKER, and JONES, IEEE Military Communications Conference, Conference Record Volume 3 of 3, "A Distributed Multiple Media Network Architecture," October 15-18, 1989, Section 47.1.1-47.1.5
_	C93	RAFTER, IEEE Military Communications Conference, Conference Record Volume 1 of 3, "Simulation and Performance of Multiple Media Networks for Tactical Communications," September 30-October 3, 1990, Section 13.5.1-13.5.4
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	C95	LESSARD, and GERLA, IEEE Network, Volume 2, No. 3, "Wireless Communications in the Automated Factory Environment," May 1988, pp. 64-69
	C96	DR. WILILAMS, and MAJOR HARRIS, IEEE: "Air Logistics Center Local Area Networks," 1989, pp. 1276-1282
	C97	WENCE, and ZENKO, IEEE: "Breakthrough in Radio Technology Offers New Application Options," 1989, pp. 384-388
	C98	COCHRANE, FALCONER, MUMMERT, and STRICH, IEEE Communications Magazine, Volume 23, No. 10: "Latest Network Trends," October 1985, pp. 17-31

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Of 6 Sheet

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Examiner Name	Dang T. Ton	
Attorney Docket Number	14426US02	

		OTHER ART NON PATENT LITERATURE DOCUMENTS
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Initials*	No.1	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue
IIIIIIais		number(s), publisher, city and/or country where published
	C99	LEINER, COLE, POSTEL, and MILLS, IEEE Communications Magazine, Volume 23, No. 3: "The DARPA
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	C100	ROBERTAZZI, and SARCHIK, IEEE Communications Magazine, Volume 24, No. 1: "Self-Organizing
		Communications Networks," January 1986, pp. 28-33
	C101	PARR, and GREEN, JR., IEEE Communications Magazine, Volume 23, No. 8: "Communications for
	0.400	Personal Computers," August 1985, pp. 26-36
	C102	CHIEN, GOODMAN, and RUSSEL SR., IEEE Communications Magazine, Volume 25, No. 6, "Cellular
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	C103	BOGGS, SHOCH, TAFT, and METCALFE, IEEE Transactions on Communications, Vol. Com-28, No. 4,
		"PUP: An Internetwork Architecture," April 1980, pp. 612-624
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	C106	SHACHAM, IEEE Transactions on Communications, Vol. Com-31, No. 2, "A Protocol for Preferred
	0407	Access in Packet-Switching Radio Networks," February 1983, pp. 253-264
	C107	GREEN, IEEE Transactions on Communications, Vol. Com-34, No. 3, "Protocol Conversion," March
	0400	1986, pp. 257-268
	C108	JUBIN, and TORNOW, Proceedings of the IEEE, Vol. 75, No. 1, "The DARPA Packet Radio Network
	0.100	Protocols," January 1987, pp. 21-32
	C109	SCHACHAM, and WESTCOTT, Proceedings of the IEEE, Vol. 75, No. 1, "Future Directions in Packet
	0.110	Radio Architectures and Protocols," January 1987, pp. 83-99
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	0110	Forward Area Mobile Communication," 1993, pp. 490-496
	C112	RUSTAD, SKAUG, and AASEN, IEEE Journal On Selected Area in Communications, Volume 8, No. 5,
	0110	"New Radio Networks for Tactical Communication," June 1990, pp. 713-727
	C113	SCHOENING, and CHRISTIAN, U.S. Government, "Soldier's Radio," Section 20.1.1-20.1.3
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	0115	Technologies for the Individual Warrior," 1994, pp. 347-354
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	C118	Motorola, SN249041, DNYA TAC Cellular Mobile Telephone, Instruction Manual, 68P81049E55, 02/04/83
	C119	SAWYER, International Telemetering Conference, International Foundation for Telemetering, "Apollo
	0.400	Lunar Communications," October 13-15, 1970
	C120	INTENTIONALLY LEFT BLANK
	C121	Eugene Cernan Declaration, including exhibits at tab 1-4

**EXAMINER** DATE CONSIDERED

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Application Number 10/651,188

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<b>STATEMENT</b>	<b>BY APPLICANT</b>

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Sheet 5 Of 6

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		OTHER ART NON PATENT LITERATURE DOCUMENTS
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<del></del> "	C122	MAHANY, Norand, Engineering Development Record Log, 09/21/89– 09/29/89
	C123	
	C124	
	C125	INTENTIONALLY LEFT BLANK
	C126	DIETZ, et al, NASA Technical Note TN-6974, "Apollo Experience Report – Lunar Module Communications System.", 09/1972
	C127	Government Reports - NTIS Publication GPA, December 25,1972
	C128	Notice Regarding Issuance Of Initial Determination And Recommended Determination On Remedy And Bond
•	C129	Rebuttal Expert Report Of Dr. Jerry D. Gibson On Validity Of US Patent Nos. 5,682,379 And 6,359,872, 09/19/2006
	C130	Expert Report of Dr. Alexander Haimovich On The Invalidity Of The Asserted Claims Of U.S. Patent Nos. 5,682,379 And 6,359,872, 08/31/2006
	C131	Qualcomm Incorporated's Notice Under 35 U.S.C. § 282, 01/25/2007
	C132	FRANKEL et al., "An Overview Of The Army/DARPA Distributed Communications And Processing Experiment", IEEE Journal on Selected Areas In Communications., Vol. Sac-4, No. 2, 03/1986, pp. 207-215
	C133	KLEINROCK et al., "Packet Switching In Radio Channels: Part 1 – Carrier Sense Multiple-Access Modes And Their Throughput Delay Characteristics", IEEE Transactions On Communications, 12/1975, pp. 1400-1416
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	C135	SCHOPPE, "The Navy's Use Of Digital Radio", IEEE Transactions On Communications, Vol. Com-27, No. 12, 12/1979, pp. 1938-1945
	C136	SCHOPPE, "The Navy's Tactical Data Network", Naval Air Development Center Communication Navigation Technology Directorate, IEEE 1984, pp. 531-538
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	C147	
	C148	Theory Maintenance Manual 68P1010C05, 1982

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OTHER ART NON PATENT LITERATURE DOCUMENTS		
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	C149	KOBAYASHI et al., "Detachable Mobile Radio Units", IEEE 1984, pp. 6-11
	C150	U.S. Dept. of Commerce, Government Reports Announcements, Vol. 72, No. 24, 12/25/1972, p. 212
	C151	"The Great Adventure", Newsweek Magazine, 07/21/1969, pp. 68-75
	C152	Expert Witness Report Of Larry S. Nixon Pursuant To Fed. R. Civ. P. Rule 26(a)(2)(B), 09/22/2006
	C153	Broadcom's Memorandum of Points And Authorities In Support Of Its Cross-Motion For Summary Judgment On The Effective Filing date Of U.S. Patent Nos. 5,682,379 And 6,359,872, 10/25/2006
	C154	Broadcom Corporation's Reply In Support Of Its Cross-Motion For Summary Judgment On Effective Filing Date Of U.S. Patent Nos. 5,682,379 And 6,359,872, 11/16/2006

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